

Appln. No.: 10/594,094
Amendment Dated October 6, 2008
Reply to Office Action of June 4, 2008

RCHP-139US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: 10/594,094
Applicants: Venkatram P. Shastri et al.
Filed: September 25, 2006
Title: EMULSION-BASED CONTROL OF ELECTROSPUN FIBER MORPHOLOGY
T.C./A.U.: 1791
Examiner: Tentoni, Leo B.
Confirmation No.: 7026
Docket No.: RCHP-139US

AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Responsive to the Office Action dated June 4, 2008, please amend the above-identified application as follows:

- ☐ **Amendments to the Specification** begin on page of this paper.
- ☒ **Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.
- ☐ **Amendments to the Drawings** begin on page of this paper and include an attached replacement sheet(s).
- ☐ **Amendments to the Abstract** are on page of this paper. A clean version of the Abstract is on page of this paper.
- ☒ **Remarks/Arguments** begin on page 6 of this paper.

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A method of making a fiber, the method comprising:

providing a first component comprising water, wherein the first component has a first evaporation rate;

providing a second component comprising a polymer dissolved in a solvent, wherein the second component has a second evaporation rate, provided that the second evaporation rate is higher than the first evaporation rate;

combining the first component, and the second component to make an emulsion;

applying a force to the emulsion; and

extruding the emulsion to make the fiber, wherein the fiber has an outer surface, an internal cavity and a diameter of at most 10 micrometers.
2. (Currently Amended) The method of claim 1, wherein the first component ~~comprises~~constitutes at most 20 vol. % of the emulsion.
3. (Currently Amended) The method of claim 1, wherein the first component ~~comprises~~constitutes from about 5 to about 20 vol. % of the emulsion.
4. (Currently Amended) The method of claim 1, wherein the first component ~~comprises~~constitutes from about 2 to 5 vol. % of the emulsion.
5. (Currently Amended) The method of claim 1, wherein the second component ~~comprises~~constitutes at least 80% of the emulsion.
6. (Original) The method of claim 1, wherein the first component comprises glycerol and poly(vinyl alcohol).
7. (Currently Amended) The method of claim 1, wherein the polymer is a member selected from the group consisting of poly(styrene), poly(urethane), poly(lactic acid), poly(glycolic acid), poly(ester), poly(alpha-hydroxy acid), ~~poly(E-~~